

## Refine Search

### Search Results -

Terms	Documents
L2 and preprocess	5

Database:

US Pre-Grant Publication Full-Text Database  
 US Patents Full-Text Database  
 US OCR Full-Text Database  
 EPO Abstracts Database  
 JPO Abstracts Database  
 Derwent World Patents Index  
 IBM Technical Disclosure Bulletins

Search:

L9

Refine Search

Recall Text 

Clear

Interrupt

### Search History

DATE: Thursday, February 17, 2005    [Printable Copy](#)    [Create Case](#)

Set Name   Query

side by side

Hit Count   Set Name

result set

*DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=NO; OP=OR*

<u>L9</u>	L2 and preprocess	5	<u>L9</u>
<u>L8</u>	L2 and preprocess\$5	6	<u>L8</u>
<u>L7</u>	L2 and pre adj process\$5	4	<u>L7</u>
<u>L6</u>	L4 and pre adj process\$5	4	<u>L6</u>
<u>L5</u>	L4 and preprocess\$5	4	<u>L5</u>
<u>L4</u>	(6,427,141 6,128,608 6,157,921 6,161,130).pn.	6	<u>L4</u>
<u>L3</u>	L2 and support near vector near machine	0	<u>L3</u>
<u>L2</u>	(5,842,189 5,729,661 5,479,573).pn.	6	<u>L2</u>
<u>L1</u>	09/995,739	1	<u>L1</u>

END OF SEARCH HISTORY

## Hit List

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[Generate OACS](#)

Search Results - Record(s) 1 through 4 of 4 returned.

☐ 1. Document ID: US 6427141 B1

Using default format because multiple data bases are involved.

L5: Entry 1 of 4

File: USPT

Jul 30, 2002

US-PAT-NO: 6427141

DOCUMENT-IDENTIFIER: US 6427141 B1

TITLE: Enhancing knowledge discovery using multiple support vector machines

DATE-ISSUED: July 30, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Barnhill; Stephen D.	Savannah	GA		

US-CL-CURRENT: 706/16; 706/12, 706/20, 706/25, 706/45

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMIC	Draw D
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☐ 2. Document ID: US 6157921 A

L5: Entry 2 of 4

File: USPT

Dec 5, 2000

US-PAT-NO: 6157921

DOCUMENT-IDENTIFIER: US 6157921 A

TITLE: Enhancing knowledge discovery using support vector machines in a distributed network environment

DATE-ISSUED: December 5, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Barnhill; Stephen D.	Savannah	GA		

US-CL-CURRENT: 706/16; 706/19, 706/20, 706/45

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMIC	Draw D
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☐ 3. Document ID: US 6128608 A

L5: Entry 3 of 4

File: USPT

Oct 3, 2000

US-PAT-NO: 6128608

DOCUMENT-IDENTIFIER: US 6128608 A

TITLE: Enhancing knowledge discovery using multiple support vector machines

DATE-ISSUED: October 3, 2000

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Barnhill; Stephen D.	Savannah	GA		

US-CL-CURRENT: 706/16; 706/12

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. De
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☐ 4. Document ID: WO 9957622 A2, AU 9937830 A, US 6128608 A, US 6157921 A, EP 1082646 A2, ZA 200007122 A, US 6427141 B1, US 20020165837 A1, US 20030172043 A1, AU 764897 B

L5: Entry 4 of 4

File: DWPI

Nov 11, 1999

DERWENT-ACC-NO: 2000-038860

DERWENT-WEEK: 200449

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TITLE: Data preprocessing method for support vector machine

INVENTOR: CARLS, G; GUBERMAN, S ; ZHANG, H ; GUYON, I ; WESTON, J ; BARNHILL, S D

PRIORITY-DATA: 1999US-0305345 (May 1, 1999), 1998US-083961P (May 1, 1998), 1999US-0303386 (May 1, 1999), 1999US-0303387 (May 1, 1999), 1999US-0303389 (May 1, 1999), 2000US-0568301 (May 9, 2000), 2000US-0578011 (May 24, 2000), 2000US-0633410 (August 7, 2000), 2001US-263381P (January 23, 2001), 2002US-0056438 (January 23, 2002), 2001US-263696P (January 24, 2001), 2001US-275760P (March 14, 2001), 2001US-298757P (June 15, 2001), 2002US-0057849 (January 24, 2002)

## PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
WO 9957622 A2	November 11, 1999	E	058	G06F000/00
AU 9937830 A	November 23, 1999		000	
US 6128608 A	October 3, 2000		000	G06F015/18
US 6157921 A	December 5, 2000		000	G06F015/18
EP 1082646 A2	March 14, 2001	E	000	G06F001/00
ZA 200007122 A	June 26, 2002		087	G06F000/00
US 6427141 B1	July 30, 2002		000	G06F015/18
US 20020165837 A1	November 7, 2002		000	G06F015/18
US 20030172043 A1	September 11, 2003		000	G06N005/02
AU 764897 B	September 4, 2003		000	G06F015/18

INT-CL (IPC): G06 E 1/00; G06 F 0/00; G06 F 1/00; G06 F 15/18; G06 F 17/00; G06 N

5/02

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMIC	Draw. D
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Clear	Generate Collection	Print	Fwd Refs	Bkwd Refs	Generate OACS
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Terms	Documents
L4 and preprocess\$5	4

Display Format:  [Previous Page](#)[Next Page](#)[Go to Doc#](#)



## Hit List

[Clear](#) [Generate Collection](#) [Print](#) [Fwd Refs](#) [Bkwd Refs](#)  
[Generate OACS](#)

Search Results - Record(s) 1 through 4 of 4 returned.

☐ 1. Document ID: US 6427141 B1

Using default format because multiple data bases are involved.

L6: Entry 1 of 4

File: USPT

Jul 30, 2002

US-PAT-NO: 6427141

DOCUMENT-IDENTIFIER: US 6427141 B1

TITLE: Enhancing knowledge discovery using multiple support vector machines

DATE-ISSUED: July 30, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Barnhill; Stephen D.	Savannah	GA		

US-CL-CURRENT: 706/16; 706/12, 706/20, 706/25, 706/45

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. D
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☐ 2. Document ID: US 6157921 A

L6: Entry 2 of 4

File: USPT

Dec 5, 2000

US-PAT-NO: 6157921

DOCUMENT-IDENTIFIER: US 6157921 A

TITLE: Enhancing knowledge discovery using support vector machines in a distributed network environment

DATE-ISSUED: December 5, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Barnhill; Stephen D.	Savannah	GA		

US-CL-CURRENT: 706/16; 706/19, 706/20, 706/45

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. D
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☐ 3. Document ID: US 6128608 A

L6: Entry 3 of 4

File: USPT

Oct 3, 2000

US-PAT-NO: 6128608

DOCUMENT-IDENTIFIER: US 6128608 A

TITLE: Enhancing knowledge discovery using multiple support vector machines

DATE-ISSUED: October 3, 2000

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Barnhill; Stephen D.	Savannah	GA		

US-CL-CURRENT: 706/16; 706/12

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. De
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☐ 4. Document ID: WO 9957622 A2, AU 9937830 A, US 6128608 A, US 6157921 A, EP 1082646 A2, ZA 200007122 A, US 6427141 B1, US 20020165837 A1, US 20030172043 A1, AU 764897 B

L6: Entry 4 of 4

File: DWPI

Nov 11, 1999

DERWENT-ACC-NO: 2000-038860

DERWENT-WEEK: 200449

COPYRIGHT 2005 DERWENT INFORMATION LTD

TITLE: Data preprocessing method for support vector machine

INVENTOR: CARLS, G; GUBERMAN, S ; ZHANG, H ; GUYON, I ; WESTON, J ; BARNHILL, S D

PRIORITY-DATA: 1999US-0305345 (May 1, 1999), 1998US-083961P (May 1, 1998), 1999US-0303386 (May 1, 1999), 1999US-0303387 (May 1, 1999), 1999US-0303389 (May 1, 1999), 2000US-0568301 (May 9, 2000), 2000US-0578011 (May 24, 2000), 2000US-0633410 (August 7, 2000), 2001US-263381P (January 23, 2001), 2002US-0056438 (January 23, 2002), 2001US-263696P (January 24, 2001), 2001US-275760P (March 14, 2001), 2001US-298757P (June 15, 2001), 2002US-0057849 (January 24, 2002)

## PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
<u>WO 9957622 A2</u>	November 11, 1999	E	058	G06F000/00
<u>AU 9937830 A</u>	November 23, 1999		000	
<u>US 6128608 A</u>	October 3, 2000		000	G06F015/18
<u>US 6157921 A</u>	December 5, 2000		000	G06F015/18
<u>EP 1082646 A2</u>	March 14, 2001	E	000	G06F001/00
<u>ZA 200007122 A</u>	June 26, 2002		087	G06F000/00
<u>US 6427141 B1</u>	July 30, 2002		000	G06F015/18
<u>US 20020165837 A1</u>	November 7, 2002		000	G06F015/18
<u>US 20030172043 A1</u>	September 11, 2003		000	G06N005/02
<u>AU 764897 B</u>	September 4, 2003		000	G06F015/18

INT-CL (IPC): G06 E 1/00; G06 F 0/00; G06 F 1/00; G06 F 15/18; G06 F 17/00; G06 N

5/02

Full	Title	Citation	Front	Review	Classification	Date	Reference	Regular DES	Attachment	Claims	KWIC	Draw. Des
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Clear	Generate Collection	Print	Fwd Refs	Bkwd Refs	Generate OACS
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Terms	Documents
L4 and pre adj process\$5	4

Display Format:

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## Refine Search

### Search Results -

Terms	Documents
L13 and input near buffer	2

Database:

US Pre-Grant Publication Full-Text Database  
 US Patents Full-Text Database  
 US OCR Full-Text Database  
 EPO Abstracts Database  
 JPO Abstracts Database  
 Derwent World Patents Index  
 IBM Technical Disclosure Bulletins

Search:

L17





### Search History

DATE: Thursday, February 17, 2005    [Printable Copy](#)    [Create Case](#)

**Set Name**   **Query**  
 side by side

**Hit Count**   **Set Name**  
 result set

*DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=NO; OP=OR*

<u>L17</u>	L13 and input near buffer	2	<u>L17</u>
<u>L16</u>	L12 and input near buffer	3	<u>L16</u>
<u>L15</u>	L11 and input near buffer	4	<u>L15</u>
<u>L14</u>	L10 and input near buffer	4	<u>L14</u>
<u>L13</u>	706/21.ccls. and pre-processing	27	<u>L13</u>
<u>L12</u>	706/21.ccls. and pre-process	10	<u>L12</u>
<u>L11</u>	706/21.ccls. and preprocessing	27	<u>L11</u>
<u>L10</u>	706/21.ccls. and preprocess	16	<u>L10</u>
<u>L9</u>	L2 and preprocess	5	<u>L9</u>
<u>L8</u>	L2 and preprocess\$5	6	<u>L8</u>
<u>L7</u>	L2 and pre adj process\$5	4	<u>L7</u>
<u>L6</u>	L4 and pre adj process\$5	4	<u>L6</u>
<u>L5</u>	L4 and preprocess\$5	4	<u>L5</u>
<u>L4</u>	(6,427,141 6,128,608 6,157,921 6,161,130).pn.	6	<u>L4</u>

L3 L2 and support near vector near machine  
L2 (5,842,189 5,729,661 5,479,573).pn.  
L1 09/995,739

0 L3  
6 L2  
1 L1

END OF SEARCH HISTORY

## Hit List

Clear

Generate Collection

Print

Fwd Refs

Bkwd Refs

Generate OACS

**Search Results - Record(s) 1 through 4 of 4 returned.**☐ 1. Document ID: US 20030140023 A1**Using default format because multiple data bases are involved.**

L14: Entry 1 of 4

File: PGPB

Jul 24, 2003

PGPUB-DOCUMENT-NUMBER: 20030140023

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030140023 A1

TITLE: System and method for pre-processing input data to a non-linear model for use in electronic commerce

PUBLICATION-DATE: July 24, 2003

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Ferguson, Bruce	Round Rock	TX	US	
Hartman, Eric	Austin	TX	US	

US-CL-CURRENT: 706/21; 706/15

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw D
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☐ 2. Document ID: US 6144952 A

L14: Entry 2 of 4

File: USPT

Nov 7, 2000

US-PAT-NO: 6144952

DOCUMENT-IDENTIFIER: US 6144952 A

TITLE: Predictive network with learned preprocessing parameters

DATE-ISSUED: November 7, 2000

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Keeler; James D.	Austin	TX	78729	
Hartman; Eric J.	Austin	TX	78753	
O'Hara; Steven A.	Round Rock	TX	78681	
Kempf; Jill L.	Austin	TX	78703	
Godbole; Devendra B.	Austin	TX	78731	

US-CL-CURRENT: 706/21; 706/22, 706/23

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. D
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☐ 3. Document ID: US 5729661 A

L14: Entry 3 of 4

File: USPT

Mar 17, 1998

US-PAT-NO: 5729661

DOCUMENT-IDENTIFIER: US 5729661 A

TITLE: Method and apparatus for preprocessing input data to a neural network

DATE-ISSUED: March 17, 1998

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Keeler; James D.	Austin	TX		
Hartman; Eric J.	Austin	TX		
O'Hara; Steven A.	Round Rock	TX		
Kempf; Jill L.	Austin	TX		
Godbole; Devendra B.	Austin	TX		

US-CL-CURRENT: 706/16; 706/21, 706/25

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. D
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☐ 4. Document ID: US 5479573 A

L14: Entry 4 of 4

File: USPT

Dec 26, 1995

US-PAT-NO: 5479573

DOCUMENT-IDENTIFIER: US 5479573 A

TITLE: Predictive network with learned preprocessing parameters

DATE-ISSUED: December 26, 1995

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Keeler; James D.	Austin	TX		
Hartman; Eric J.	Austin	TX		
O'Hara; Steven A.	Round Rock	TX		
Kempf; Jill L.	Austin	TX		
Godbole; Devandra B.	Austin	TX		

US-CL-CURRENT: 706/21; 706/25

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. D
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Clear	Generate Collection	Print	Fwd Refs	Bkwd Refs	Generate OACS
Terms			Documents		
L10 and input near buffer			4		

Display Format:

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## Refine Search

### Search Results -

Terms	Documents
L13 and input near buffer	2

Database:

US Pre-Grant Publication Full-Text Database  
 US Patents Full-Text Database  
 US OCR Full-Text Database  
 EPO Abstracts Database  
 JPO Abstracts Database  
 Derwent World Patents Index  
 IBM Technical Disclosure Bulletins

Search:

L17

Refine Search

Recall Text 

Clear

Interrupt

### Search History

DATE: Thursday, February 17, 2005    [Printable Copy](#)    [Create Case](#)

**Set Name Query**  
 side by side

**Hit Count Set Name**  
 result set

*DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=NO; OP=OR*

<u>L17</u>	L13 and input near buffer	2	<u>L17</u>
<u>L16</u>	L12 and input near buffer	3	<u>L16</u>
<u>L15</u>	L11 and input near buffer	4	<u>L15</u>
<u>L14</u>	L10 and input near buffer	4	<u>L14</u>
<u>L13</u>	706/21.ccls. and pre-processing	27	<u>L13</u>
<u>L12</u>	706/21.ccls. and pre-process	10	<u>L12</u>
<u>L11</u>	706/21.ccls. and preprocessing	27	<u>L11</u>
<u>L10</u>	706/21.ccls. and preprocess	16	<u>L10</u>
<u>L9</u>	L2 and preprocess	5	<u>L9</u>
<u>L8</u>	L2 and preprocess\$5	6	<u>L8</u>
<u>L7</u>	L2 and pre adj process\$5	4	<u>L7</u>
<u>L6</u>	L4 and pre adj process\$5	4	<u>L6</u>
<u>L5</u>	L4 and preprocess\$5	4	<u>L5</u>
<u>L4</u>	(6,427,141 6,128,608 6,157,921 6,161,130).pn.	6	<u>L4</u>

L3    L2 and support near vector near machine  
L2    (5,842,189 5,729,661 5,479,573).pn.  
L1    09/995,739

0    L3  
6    L2  
1    L1

END OF SEARCH HISTORY

## Refine Search

### Search Results -

Terms	Documents
L19 and time near merge	1

Database:

US Pre-Grant Publication Full-Text Database  
 US Patents Full-Text Database  
 US OCR Full-Text Database  
 EPO Abstracts Database  
 JPO Abstracts Database  
 Derwent World Patents Index  
 IBM Technical Disclosure Bulletins

Search:

L21

Refine Search

Recall Text 

Clear

Interrupt

### Search History

DATE: Thursday, February 17, 2005    [Printable Copy](#)    [Create Case](#)

**Set Name   Query**

side by side

**Hit Count   Set Name**

result set

*DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=NO; OP=OR*

<u>L21</u>	L19 and time near merge	1	<u>L21</u>
<u>L20</u>	L14 and time near merge	4	<u>L20</u>
<u>L19</u>	L18 and input near buffer	2	<u>L19</u>
<u>L18</u>	706/16.ccls. and preprocess\$4	54	<u>L18</u>
<u>L17</u>	L13 and input near buffer	2	<u>L17</u>
<u>L16</u>	L12 and input near buffer	3	<u>L16</u>
<u>L15</u>	L11 and input near buffer	4	<u>L15</u>
<u>L14</u>	L10 and input near buffer	4	<u>L14</u>
<u>L13</u>	706/21.ccls. and pre-processing	27	<u>L13</u>
<u>L12</u>	706/21.ccls. and pre-process	10	<u>L12</u>
<u>L11</u>	706/21.ccls. and preprocessing	27	<u>L11</u>
<u>L10</u>	706/21.ccls. and preprocess	16	<u>L10</u>
<u>L9</u>	L2 and preprocess	5	<u>L9</u>
<u>L8</u>	L2 and preprocess\$5	6	<u>L8</u>

<u>L7</u>	L2 and pre adj process\$5	4	<u>L7</u>
<u>L6</u>	L4 and pre adj process\$5	4	<u>L6</u>
<u>L5</u>	L4 and preprocess\$5	4	<u>L5</u>
<u>L4</u>	(6,427,141 6,128,608 6,157,921 6,161,130).pn.	6	<u>L4</u>
<u>L3</u>	L2 and support near vector near machine	0	<u>L3</u>
<u>L2</u>	(5,842,189 5,729,661 5,479,573).pn.	6	<u>L2</u>
<u>L1</u>	09/995,739	1	<u>L1</u>

END OF SEARCH HISTORY

## Hit List

[Clear](#)[Generate Collection](#)[Print](#)[Fwd Refs](#)[Bkwd Refs](#)[Generate OACS](#)

Search Results - Record(s) 1 through 4 of 4 returned.

☐ 1. Document ID: US 20030140023 A1

Using default format because multiple data bases are involved.

L20: Entry 1 of 4

File: PGPB

Jul 24, 2003

PGPUB-DOCUMENT-NUMBER: 20030140023

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030140023 A1

TITLE: System and method for pre-processing input data to a non-linear model for use in electronic commerce

PUBLICATION-DATE: July 24, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Ferguson, Bruce	Round Rock	TX	US	
Hartman, Eric	Austin	TX	US	

US-CL-CURRENT: 706/21; 706/15

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw D
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☐ 2. Document ID: US 6144952 A

L20: Entry 2 of 4

File: USPT

Nov 7, 2000

US-PAT-NO: 6144952

DOCUMENT-IDENTIFIER: US 6144952 A

TITLE: Predictive network with learned preprocessing parameters

DATE-ISSUED: November 7, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Keeler, James D.	Austin	TX	78729	
Hartman, Eric J.	Austin	TX	78753	
O'Hara, Steven A.	Round Rock	TX	78681	
Kempf, Jill L.	Austin	TX	78703	
Godbole, Devendra B.	Austin	TX	78731	

US-CL-CURRENT: 706/21; 706/22, 706/23

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. D.
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☐ 3. Document ID: US 5729661 A

L20: Entry 3 of 4

File: USPT

Mar 17, 1998

US-PAT-NO: 5729661

DOCUMENT-IDENTIFIER: US 5729661 A

TITLE: Method and apparatus for preprocessing input data to a neural network

DATE-ISSUED: March 17, 1998

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Keeler; James D.	Austin	TX		
Hartman; Eric J.	Austin	TX		
O'Hara; Steven A.	Round Rock	TX		
Kempf; Jill L.	Austin	TX		
Godbole; Devendra B.	Austin	TX		

US-CL-CURRENT: 706/16; 706/21, 706/25

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. D.
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☐ 4. Document ID: US 5479573 A

L20: Entry 4 of 4

File: USPT

Dec 26, 1995

US-PAT-NO: 5479573

DOCUMENT-IDENTIFIER: US 5479573 A

TITLE: Predictive network with learned preprocessing parameters

DATE-ISSUED: December 26, 1995

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Keeler; James D.	Austin	TX		
Hartman; Eric J.	Austin	TX		
O'Hara; Steven A.	Round Rock	TX		
Kempf; Jill L.	Austin	TX		
Godbole; Devandra B.	Austin	TX		

US-CL-CURRENT: 706/21; 706/25

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. D.
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[Clear](#)[Generate Collection](#)[Print](#)[Fwd Refs](#)[Bkwd Refs](#)[Generate OACS](#)

Terms	Documents
L14 and time near merge	4

**Display Format:**[Change Format](#)[Previous Page](#)[Next Page](#)[Go to Doc#](#)

## Hit List

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Search Results - Record(s) 1 through 1 of 1 returned.

☐ 1. Document ID: US 5729661 A

Using default format because multiple data bases are involved.

L21: Entry 1 of 1

File: USPT

Mar 17, 1998

US-PAT-NO: 5729661

DOCUMENT-IDENTIFIER: US 5729661 A

TITLE: Method and apparatus for preprocessing input data to a neural network

DATE-ISSUED: March 17, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Keeler; James D.	Austin	TX		
Hartman; Eric J.	Austin	TX		
O'Hara; Steven A.	Round Rock	TX		
Kempf; Jill L.	Austin	TX		
Godbole; Devendra B.	Austin	TX		

US-CL-CURRENT: 706/16; 706/21, 706/25

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw D
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[Clear](#)[Generate Collection](#)[Print](#)[Fwd Refs](#)[Bkwd Refs](#)[Generate OACS](#)

Terms	Documents
L19 and time near merge	1

Display Format:  [Change Format](#)

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## Hit List

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Fwd Refs

Bkwd Refs

Generate OACS

Search Results - Record(s) 1 through 1 of 1 returned.

☐ 1. Document ID: US 5729661 A

Using default format because multiple data bases are involved.

L21: Entry 1 of 1

File: USPT

Mar 17, 1998

US-PAT-NO: 5729661

DOCUMENT-IDENTIFIER: US 5729661 A

TITLE: Method and apparatus for preprocessing input data to a neural network

DATE-ISSUED: March 17, 1998

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Keeler; James D.	Austin	TX		
Hartman; Eric J.	Austin	TX		
O'Hara; Steven A.	Round Rock	TX		
Kempf; Jill L.	Austin	TX		
Godbole; Devendra B.	Austin	TX		

US-CL-CURRENT: 706/16; 706/21, 706/25

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. D.
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Clear

Generate Collection

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Fwd Refs

Bkwd Refs

Generate OACS

Terms

Documents

L19 and time near merge

1

Display Format: 

Change Format

[Previous Page](#)[Next Page](#)[Go to Doc#](#)

## Refine Search

### Search Results -

Terms	Documents
L19 and time near merge	1

Database:

US Pre-Grant Publication Full-Text Database  
 US Patents Full-Text Database  
 US OCR Full-Text Database  
 EPO Abstracts Database  
 JPO Abstracts Database  
 Derwent World Patents Index  
 IBM Technical Disclosure Bulletins

Search:

L21

Refine Search

Recall Text

Clear

Interrupt

### Search History

DATE: Thursday, February 17, 2005    [Printable Copy](#)    [Create Case](#)

**Set Name**   **Query**

side by side

**Hit Count**   **Set Name**

result set

*DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=NO; OP=OR*

<u>L21</u>	L19 and time near merge	1	<u>L21</u>
<u>L20</u>	L14 and time near merge	4	<u>L20</u>
<u>L19</u>	L18 and input near buffer	2	<u>L19</u>
<u>L18</u>	706/16.ccls. and preprocess\$4	54	<u>L18</u>
<u>L17</u>	L13 and input near buffer	2	<u>L17</u>
<u>L16</u>	L12 and input near buffer	3	<u>L16</u>
<u>L15</u>	L11 and input near buffer	4	<u>L15</u>
<u>L14</u>	L10 and input near buffer	4	<u>L14</u>
<u>L13</u>	706/21.ccls. and pre-processing	27	<u>L13</u>
<u>L12</u>	706/21.ccls. and pre-process	10	<u>L12</u>
<u>L11</u>	706/21.ccls. and preprocessing	27	<u>L11</u>
<u>L10</u>	706/21.ccls. and preprocess	16	<u>L10</u>
<u>L9</u>	L2 and preprocess	5	<u>L9</u>
<u>L8</u>	L2 and preprocess\$5	6	<u>L8</u>

<u>L7</u>	L2 and pre adj process\$5	4	<u>L7</u>
<u>L6</u>	L4 and pre adj process\$5	4	<u>L6</u>
<u>L5</u>	L4 and preprocess\$5	4	<u>L5</u>
<u>L4</u>	(6,427,141 6,128,608 6,157,921 6,161,130).pn.	6	<u>L4</u>
<u>L3</u>	L2 and support near vector near machine	0	<u>L3</u>
<u>L2</u>	(5,842,189 5,729,661 5,479,573).pn.	6	<u>L2</u>
<u>L1</u>	09/995,739	1	<u>L1</u>

END OF SEARCH HISTORY

## Refine Search

### Search Results -

Terms	Documents
L22 and predetermined and time near scale\$2	1

Database:

US Pre-Grant Publication Full-Text Database  
 US Patents Full-Text Database  
 US OCR Full-Text Database  
 EPO Abstracts Database  
 JPO Abstracts Database  
 Derwent World Patents Index  
 IBM Technical Disclosure Bulletins

Search:






### Search History

DATE: Thursday, February 17, 2005    [Printable Copy](#)    [Create Case](#)

Set Name    Query

side by side

Hit Count    Set Name

result set

DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=NO; OP=OR

<u>L23</u>	L22 and predetermined and time near scale\$2	1	<u>L23</u>
<u>L22</u>	L21 and device	1	<u>L22</u>
<u>L21</u>	L19 and time near merge	1	<u>L21</u>
<u>L20</u>	L14 and time near merge	4	<u>L20</u>
<u>L19</u>	L18 and input near buffer	2	<u>L19</u>
<u>L18</u>	706/16.ccls. and preprocess\$4	54	<u>L18</u>
<u>L17</u>	L13 and input near buffer	2	<u>L17</u>
<u>L16</u>	L12 and input near buffer	3	<u>L16</u>
<u>L15</u>	L11 and input near buffer	4	<u>L15</u>
<u>L14</u>	L10 and input near buffer	4	<u>L14</u>
<u>L13</u>	706/21.ccls. and pre-processing	27	<u>L13</u>
<u>L12</u>	706/21.ccls. and pre-process	10	<u>L12</u>
<u>L11</u>	706/21.ccls. and preprocessing	27	<u>L11</u>
<u>L10</u>	706/21.ccls. and preprocess	16	<u>L10</u>

<u>L9</u>	L2 and preprocess	5	<u>L9</u>
<u>L8</u>	L2 and preprocess\$5	6	<u>L8</u>
<u>L7</u>	L2 and pre adj process\$5	4	<u>L7</u>
<u>L6</u>	L4 and pre adj process\$5	4	<u>L6</u>
<u>L5</u>	L4 and preprocess\$5	4	<u>L5</u>
<u>L4</u>	(6,427,141 6,128,608 6,157,921 6,161,130).pn.	6	<u>L4</u>
<u>L3</u>	L2 and support near vector near machine	0	<u>L3</u>
<u>L2</u>	(5,842,189 5,729,661 5,479,573).pn.	6	<u>L2</u>
<u>L1</u>	09/995,739	1	<u>L1</u>

END OF SEARCH HISTORY

## Refine Search

### Search Results -

Terms	Documents
(706/21).ccls. and support near vector near machine\$2	6

Database:

US Pre-Grant Publication Full-Text Database  
 US Patents Full-Text Database  
 US OCR Full-Text Database  
 EPO Abstracts Database  
 JPO Abstracts Database  
 Derwent World Patents Index  
 IBM Technical Disclosure Bulletins

Search:

L25

Refine Search

Recall Text

Clear

Interrupt

### Search History

DATE: Thursday, February 17, 2005    [Printable Copy](#)    [Create Case](#)

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side by side

#### Hit Count Set Name

result set

*DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=NO; OP=OR*

<u>L25</u>	706/21.ccls. and support near vector near machine\$2	6	<u>L25</u>
<u>L24</u>	support near vector near machine	451	<u>L24</u>
<u>L23</u>	L22 and predetermined and time near scale\$2	1	<u>L23</u>
<u>L22</u>	L21 and device	1	<u>L22</u>
<u>L21</u>	L19 and time near merge	1	<u>L21</u>
<u>L20</u>	L14 and time near merge	4	<u>L20</u>
<u>L19</u>	L18 and input near buffer	2	<u>L19</u>
<u>L18</u>	706/16.ccls. and preprocess\$4	54	<u>L18</u>
<u>L17</u>	L13 and input near buffer	2	<u>L17</u>
<u>L16</u>	L12 and input near buffer	3	<u>L16</u>
<u>L15</u>	L11 and input near buffer	4	<u>L15</u>
<u>L14</u>	L10 and input near buffer	4	<u>L14</u>
<u>L13</u>	706/21.ccls. and pre-processing	27	<u>L13</u>
<u>L12</u>	706/21.ccls. and pre-process	10	<u>L12</u>

<u>L11</u>	706/21.ccls. and preprocessing	27	<u>L11</u>
<u>L10</u>	706/21.ccls. and preprocess	16	<u>L10</u>
<u>L9</u>	L2 and preprocess	5	<u>L9</u>
<u>L8</u>	L2 and preprocess\$5	6	<u>L8</u>
<u>L7</u>	L2 and pre adj process\$5	4	<u>L7</u>
<u>L6</u>	L4 and pre adj process\$5	4	<u>L6</u>
<u>L5</u>	L4 and preprocess\$5	4	<u>L5</u>
<u>L4</u>	(6,427,141 6,128,608 6,157,921 6,161,130).pn.	6	<u>L4</u>
<u>L3</u>	L2 and support near vector near machine	0	<u>L3</u>
<u>L2</u>	(5,842,189 5,729,661 5,479,573).pn.	6	<u>L2</u>
<u>L1</u>	09/995,739	1	<u>L1</u>

END OF SEARCH HISTORY

## Hit List

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Fwd Refs

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Generate OACS

Search Results - Record(s) 1 through 6 of 6 returned.

☐ 1. Document ID: US 20050021485 A1

Using default format because multiple data bases are involved.

L25: Entry 1 of 6

File: PGPB

Jan 27, 2005

PGPUB-DOCUMENT-NUMBER: 20050021485

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050021485 A1

TITLE: Continuous time bayesian network models for predicting users' presence, activities, and component usage

PUBLICATION-DATE: January 27, 2005

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Nodelman, Uri D.	Oakland	CA	US	
Horvitz, Eric J.	Kirkland	WA	US	

US-CL-CURRENT: [706/21](#); [700/30](#), [700/31](#), [700/44](#), [700/45](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw De
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☐ 2. Document ID: US 20040249776 A1

L25: Entry 2 of 6

File: PGPB

Dec 9, 2004

PGPUB-DOCUMENT-NUMBER: 20040249776

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040249776 A1

TITLE: Composable presence and availability services

PUBLICATION-DATE: December 9, 2004

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Horvitz, Eric J.	Kirkland	WA	US	
Koch, Paul B.	Seattle	WA	US	
Apacible, Johnson T.	Mercer Island	WA	US	

US-CL-CURRENT: [706/21](#)



Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	RWC	Draw D
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☐ 3. Document ID: US 20040068475 A1

L25: Entry 3 of 6

File: PGPB

Apr 8, 2004

PGPUB-DOCUMENT-NUMBER: 20040068475

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040068475 A1

TITLE: Physics based neural network trend detector

PUBLICATION-DATE: April 8, 2004

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Depold, Hans R.	Bolton	CT	US	
Sirag, David John JR.	Ellington	CT	US	

US-CL-CURRENT: 706/21; 706/22

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	RWC	Draw D
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☐ 4. Document ID: US 20030140023 A1

L25: Entry 4 of 6

File: PGPB

Jul 24, 2003

PGPUB-DOCUMENT-NUMBER: 20030140023

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030140023 A1

TITLE: System and method for pre-processing input data to a non-linear model for use in electronic commerce

PUBLICATION-DATE: July 24, 2003

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Ferguson, Bruce	Round Rock	TX	US	
Hartman, Eric	Austin	TX	US	

US-CL-CURRENT: 706/21; 706/15

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	RWC	Draw D
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☐ 5. Document ID: US 20020184272 A1

L25: Entry 5 of 6

File: PGPB

Dec 5, 2002

PGPUB-DOCUMENT-NUMBER: 20020184272  
PGPUB-FILING-TYPE: new  
DOCUMENT-IDENTIFIER: US 20020184272 A1

TITLE: System and method for trainable nonlinear prediction of transform coefficients in data compression

PUBLICATION-DATE: December 5, 2002

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Burges, Chris J.C.	Bellevue	WA	US	
Simard, Patrice Y.	Bellevue	WA	US	
Malvar, Henrique S.	Bellevue	WA	US	

US-CL-CURRENT: 708/203; 341/200, 706/21

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw D
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☐ 6. Document ID: US 6704718 B2

L25: Entry 6 of 6

File: USPT

Mar 9, 2004

US-PAT-NO: 6704718  
DOCUMENT-IDENTIFIER: US 6704718 B2  
**\*\* See image for Certificate of Correction \*\***

TITLE: System and method for trainable nonlinear prediction of transform coefficients in data compression

DATE-ISSUED: March 9, 2004

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Burges; Chris J. C.	Bellevue	WA		
Simard; Patrice Y.	Bellevue	WA		
Malvar; Henrique S.	Bellevue	WA		

US-CL-CURRENT: 706/21; 706/15, 706/16

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw D
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(706/21).ccls. and support near vector near machine\$2

6

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Fwd Refs

Bkwd Refs

Generate OACS

Search Results - Record(s) 1 through 6 of 6 returned.

☐ 1. Document ID: US 20050021485 A1

Using default format because multiple data bases are involved.

L25: Entry 1 of 6

File: PGPB

Jan 27, 2005

PGPUB-DOCUMENT-NUMBER: 20050021485

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050021485 A1

TITLE: Continuous time bayesian network models for predicting users' presence, activities, and component usage

PUBLICATION-DATE: January 27, 2005

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Nodelman, Uri D.	Oakland	CA	US	
Horvitz, Eric J.	Kirkland	WA	US	

US-CL-CURRENT: 706/21; 700/30, 700/31, 700/44, 700/45

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw D
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☐ 2. Document ID: US 20040249776 A1

L25: Entry 2 of 6

File: PGPB

Dec 9, 2004

PGPUB-DOCUMENT-NUMBER: 20040249776

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040249776 A1

TITLE: Composable presence and availability services

PUBLICATION-DATE: December 9, 2004

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Horvitz, Eric J.	Kirkland	WA	US	
Koch, Paul B.	Seattle	WA	US	
Apacible, Johnson T.	Mercer Island	WA	US	

US-CL-CURRENT: 706/21

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. De
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☐ 3. Document ID: US 20040068475 A1

L25: Entry 3 of 6

File: PGPB

Apr 8, 2004

PGPUB-DOCUMENT-NUMBER: 20040068475

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040068475 A1

TITLE: Physics based neural network trend detector

PUBLICATION-DATE: April 8, 2004

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Depold, Hans R.	Bolton	CT	US	
Sirag, David John JR.	Ellington	CT	US	

US-CL-CURRENT: 706/21; 706/22

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. De
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☐ 4. Document ID: US 20030140023 A1

L25: Entry 4 of 6

File: PGPB

Jul 24, 2003

PGPUB-DOCUMENT-NUMBER: 20030140023

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030140023 A1

TITLE: System and method for pre-processing input data to a non-linear model for use in electronic commerce

PUBLICATION-DATE: July 24, 2003

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Ferguson, Bruce	Round Rock	TX	US	
Hartman, Eric	Austin	TX	US	

US-CL-CURRENT: 706/21; 706/15

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. De
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☐ 5. Document ID: US 20020184272 A1

L25: Entry 5 of 6

File: PGPB

Dec 5, 2002

PGPUB-DOCUMENT-NUMBER: 20020184272  
PGPUB-FILING-TYPE: new  
DOCUMENT-IDENTIFIER: US 20020184272 A1

TITLE: System and method for trainable nonlinear prediction of transform coefficients in data compression

PUBLICATION-DATE: December 5, 2002

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Burges, Chris J.C.	Bellevue	WA	US	
Simard, Patrice Y.	Bellevue	WA	US	
Malvar, Henrique S.	Bellevue	WA	US	

US-CL-CURRENT: 708/203; 341/200, 706/21

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. D
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☒ 6. Document ID: US 6704718 B2

L25: Entry 6 of 6

File: USPT

Mar 9, 2004

US-PAT-NO: 6704718

DOCUMENT-IDENTIFIER: US 6704718 B2

**\*\* See image for Certificate of Correction \*\***

TITLE: System and method for trainable nonlinear prediction of transform coefficients in data compression

DATE-ISSUED: March 9, 2004

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Burges; Chris J. C.	Bellevue	WA		
Simard; Patrice Y.	Bellevue	WA		
Malvar; Henrique S.	Bellevue	WA		

US-CL-CURRENT: 706/21; 706/15, 706/16

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. D
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Clear

Generate Collection

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Fwd Refs

Blkwd Refs

Generate OACS

Terms

Documents

(706/21).ccls. and support near vector near machine\$2

6

**Display Format:**  **Change Format**

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## Refine Search

### Search Results -

Terms	Documents
(706/21).ccls. and support near vector near machine\$2	6

Database:

US Pre-Grant Publication Full-Text Database  
 US Patents Full-Text Database  
 US OCR Full-Text Database  
 EPO Abstracts Database  
 JPO Abstracts Database  
 Derwent World Patents Index  
 IBM Technical Disclosure Bulletins

Search:

L25

Refine Search

Recall Text

Clear

Interrupt

### Search History

DATE: Thursday, February 17, 2005    [Printable Copy](#)    [Create Case](#)

**Set Name Query**  
side by side

**Hit Count Set Name**  
result set

*DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=NO; OP=OR*

<u>L25</u>	706/21.ccls. and support near vector near machine\$2	6	<u>L25</u>
<u>L24</u>	support near vector near machine	451	<u>L24</u>
<u>L23</u>	L22 and predetermined and time near scale\$2	1	<u>L23</u>
<u>L22</u>	L21 and device	1	<u>L22</u>
<u>L21</u>	L19 and time near merge	1	<u>L21</u>
<u>L20</u>	L14 and time near merge	4	<u>L20</u>
<u>L19</u>	L18 and input near buffer	2	<u>L19</u>
<u>L18</u>	706/16.ccls. and preprocess\$4	54	<u>L18</u>
<u>L17</u>	L13 and input near buffer	2	<u>L17</u>
<u>L16</u>	L12 and input near buffer	3	<u>L16</u>
<u>L15</u>	L11 and input near buffer	4	<u>L15</u>
<u>L14</u>	L10 and input near buffer	4	<u>L14</u>
<u>L13</u>	706/21.ccls. and pre-processing	27	<u>L13</u>
<u>L12</u>	706/21.ccls. and pre-process	10	<u>L12</u>



<u>L11</u>	706/21.ccls. and preprocessing	27	<u>L11</u>
<u>L10</u>	706/21.ccls. and preprocess	16	<u>L10</u>
<u>L9</u>	L2 and preprocess	5	<u>L9</u>
<u>L8</u>	L2 and preprocess\$5	6	<u>L8</u>
<u>L7</u>	L2 and pre adj process\$5	4	<u>L7</u>
<u>L6</u>	L4 and pre adj process\$5	4	<u>L6</u>
<u>L5</u>	L4 and preprocess\$5	4	<u>L5</u>
<u>L4</u>	(6,427,141 6,128,608 6,157,921 6,161,130).pn.	6	<u>L4</u>
<u>L3</u>	L2 and support near vector near machine	0	<u>L3</u>
<u>L2</u>	(5,842,189 5,729,661 5,479,573).pn.	6	<u>L2</u>
<u>L1</u>	09/995,739	1	<u>L1</u>

END OF SEARCH HISTORY

## Refine Search

### Search Results -

Terms	Documents
L24 and multiple near inputs	13

Database:

US Pre-Grant Publication Full-Text Database  
 US Patents Full-Text Database  
 US OCR Full-Text Database  
 EPO Abstracts Database  
 JPO Abstracts Database  
 Derwent World Patents Index  
 IBM Technical Disclosure Bulletins

Search:

L28

Refine Search

Recall Text

Clear

Interrupt

### Search History

DATE: Thursday, February 17, 2005   [Printable Copy](#)   [Create Case](#)

#### Set Name Query

side by side

#### Hit Count Set Name

result set

DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=NO; OP=OR

<u>L28</u>	L24 and multiple near inputs	13	<u>L28</u>
<u>L27</u>	L23 and (multiple or plurality) and inputs	1	<u>L27</u>
<u>L26</u>	L25 and (multiple or plurality) and inputs	4	<u>L26</u>
<u>L25</u>	706/21.ccls. and support near vector near machine\$2	6	<u>L25</u>
<u>L24</u>	support near vector near machine	451	<u>L24</u>
<u>L23</u>	L22 and predetermined and time near scale\$2	1	<u>L23</u>
<u>L22</u>	L21 and device	1	<u>L22</u>
<u>L21</u>	L19 and time near merge	1	<u>L21</u>
<u>L20</u>	L14 and time near merge	4	<u>L20</u>
<u>L19</u>	L18 and input near buffer	2	<u>L19</u>
<u>L18</u>	706/16.ccls. and preprocess\$4	54	<u>L18</u>
<u>L17</u>	L13 and input near buffer	2	<u>L17</u>
<u>L16</u>	L12 and input near buffer	3	<u>L16</u>
<u>L15</u>	L11 and input near buffer	4	<u>L15</u>

<u>L14</u>	L10 and input near buffer	4	<u>L14</u>
<u>L13</u>	706/21.ccls. and pre-processing	27	<u>L13</u>
<u>L12</u>	706/21.ccls. and pre-process	10	<u>L12</u>
<u>L11</u>	706/21.ccls. and preprocessing	27	<u>L11</u>
<u>L10</u>	706/21.ccls. and preprocess	16	<u>L10</u>
<u>L9</u>	L2 and preprocess	5	<u>L9</u>
<u>L8</u>	L2 and preprocess\$5	6	<u>L8</u>
<u>L7</u>	L2 and pre adj process\$5	4	<u>L7</u>
<u>L6</u>	L4 and pre adj process\$5	4	<u>L6</u>
<u>L5</u>	L4 and preprocess\$5	4	<u>L5</u>
<u>L4</u>	(6,427,141 6,128,608 6,157,921 6,161,130).pn.	6	<u>L4</u>
<u>L3</u>	L2 and support near vector near machine	0	<u>L3</u>
<u>L2</u>	(5,842,189 5,729,661 5,479,573).pn.	6	<u>L2</u>
<u>L1</u>	09/995,739	1	<u>L1</u>

END OF SEARCH HISTORY

## Hit List

[Clear](#)[Generate Collection](#)[Print](#)[Fwd Refs](#)[Bkwd Refs](#)[Generate OACS](#)

Search Results - Record(s) 1 through 13 of 13 returned.

☐ 1. Document ID: US 20040215382 A1

Using default format because multiple data bases are involved.

L28: Entry 1 of 13

File: PGPB

Oct 28, 2004

PGPUB-DOCUMENT-NUMBER: 20040215382

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040215382 A1

TITLE: Telematics system

PUBLICATION-DATE: October 28, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Breed, David S.	Boonton Township	NJ	US	
DuVall, Wilbur E.	Kimberling City	MO	US	
Johnson, Wendell C.	Kanehoe	HI	US	

US-CL-CURRENT: 701/45

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw D
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☐ 2. Document ID: US 20040193789 A1

L28: Entry 2 of 13

File: PGPB

Sep 30, 2004

PGPUB-DOCUMENT-NUMBER: 20040193789

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040193789 A1

TITLE: Associative memory device and method based on wave propagation

PUBLICATION-DATE: September 30, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Rudolf, Paul	San Antonio	TX	US	

US-CL-CURRENT: 711/108; 365/49

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw D
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☐ 3. Document ID: US 20040130442 A1

L28: Entry 3 of 13

File: PGPB

Jul 8, 2004

PGPUB-DOCUMENT-NUMBER: 20040130442

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040130442 A1

TITLE: Wireless and powerless sensor and interrogator

PUBLICATION-DATE: July 8, 2004

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Breed, David S.	Boonton Township	NJ	US	
DuVall, Wilbur E.	Kimberling	MO	US	
Johnson, Wendell C.	Signal Hill	CA	US	
Kolomeyko, Anatoliy V.	Kyiv		UA	
Shostak, Oleksandr T.	Kyiv		UA	

US-CL-CURRENT: [340/443](#); [340/449](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw D
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☐ 4. Document ID: US 20040039509 A1

L28: Entry 4 of 13

File: PGPB

Feb 26, 2004

PGPUB-DOCUMENT-NUMBER: 20040039509

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040039509 A1

TITLE: Method and apparatus for controlling a vehicular component

PUBLICATION-DATE: February 26, 2004

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Breed, David S.	Boonton Township	NJ	US	

US-CL-CURRENT: [701/45](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw D
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☐ 5. Document ID: US 20030149603 A1

L28: Entry 5 of 13

File: PGPB

Aug 7, 2003

PGPUB-DOCUMENT-NUMBER: 20030149603

PGPUB-FILING-TYPE: new  
DOCUMENT-IDENTIFIER: US 20030149603 A1

TITLE: System and method for operating a non-linear model with missing data for use in electronic commerce

PUBLICATION-DATE: August 7, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Ferguson, Bruce	Round Rock	TX	US	
Hartman, Eric	Austin	TX	US	

US-CL-CURRENT: 705/7; 706/22

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw D
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☐ 6. Document ID: US 20030140039 A1

L28: Entry 6 of 13

File: PGPB

Jul 24, 2003

PGPUB-DOCUMENT-NUMBER: 20030140039  
PGPUB-FILING-TYPE: new  
DOCUMENT-IDENTIFIER: US 20030140039 A1

TITLE: Pre-processing input data with outlier values for a support vector machine

PUBLICATION-DATE: July 24, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Ferguson, Bruce	Round Rock	TX	US	
Hartman, Eric	Austin	TX	US	

US-CL-CURRENT: 707/4

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw D
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☐ 7. Document ID: US 20030140023 A1

L28: Entry 7 of 13

File: PGPB

Jul 24, 2003

PGPUB-DOCUMENT-NUMBER: 20030140023  
PGPUB-FILING-TYPE: new  
DOCUMENT-IDENTIFIER: US 20030140023 A1

TITLE: System and method for pre-processing input data to a non-linear model for use in electronic commerce

PUBLICATION-DATE: July 24, 2003

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Ferguson, Bruce	Round Rock	TX	US	
Hartman, Eric	Austin	TX	US	

US-CL-CURRENT: 706/21; 706/15

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMIC	Draw D
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☐ 8. Document ID: US 20030139828 A1

L28: Entry 8 of 13

File: PGPB

Jul 24, 2003

PGPUB-DOCUMENT-NUMBER: 20030139828

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030139828 A1

TITLE: System and method for pre-processing input data to a support vector machine

PUBLICATION-DATE: July 24, 2003

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Ferguson, Bruce	Round Rock	TX	US	
Hartman, Eric	Austin	TX	US	

US-CL-CURRENT: 700/53; 700/31, 700/47, 700/52

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMIC	Draw D
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☐ 9. Document ID: US 20030009270 A1

L28: Entry 9 of 13

File: PGPB

Jan 9, 2003

PGPUB-DOCUMENT-NUMBER: 20030009270

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030009270 A1

TITLE: Telematics system for vehicle diagnostics

PUBLICATION-DATE: January 9, 2003

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Breed, David S.	Boonton Township	NJ	US	

US-CL-CURRENT: 701/29; 340/425.5, 340/438

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMIC	Draw D
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☐ 10. Document ID: US 20020188392 A1

L28: Entry 10 of 13

File: PGPB

Dec 12, 2002

PGPUB-DOCUMENT-NUMBER: 20020188392  
PGPUB-FILING-TYPE: new  
DOCUMENT-IDENTIFIER: US 20020188392 A1

TITLE: Telematics system

PUBLICATION-DATE: December 12, 2002

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Breed, David S.	Boonton Township	NJ	US	
DuVall, Wilbur E.	Kimberling City	MO	US	
Johnson, Wendell C.	Signal Hill	CA	US	

US-CL-CURRENT: 701/45

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMIC	Draw. De
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☐ 11. Document ID: US 6850824 B2

L28: Entry 11 of 13

File: USPT

Feb 1, 2005

US-PAT-NO: 6850824  
DOCUMENT-IDENTIFIER: US 6850824 B2

TITLE: Method and apparatus for controlling a vehicular component

DATE-ISSUED: February 1, 2005

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Breed; David S.	Boonton Township, Morris County	NJ		

US-CL-CURRENT: 701/36; 701/29, 701/34

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMIC	Draw. De
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☐ 12. Document ID: US 6738697 B2

L28: Entry 12 of 13

File: USPT

May 18, 2004

US-PAT-NO: 6738697  
DOCUMENT-IDENTIFIER: US 6738697 B2

TITLE: Telematics system for vehicle diagnostics



DATE-ISSUED: May 18, 2004

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Breed; David S.	Boonton Township, Morris County	NJ		

US-CL-CURRENT: 701/29; 701/34

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMIC	Drawings
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☐ 13. Document ID: US 6735506 B2

L28: Entry 13 of 13

File: USPT

May 11, 2004

US-PAT-NO: 6735506

DOCUMENT-IDENTIFIER: US 6735506 B2

TITLE: Telematics system

DATE-ISSUED: May 11, 2004

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Breed; David S.	Morris County	NJ		
DuVall; Wilbur E.	Kimberling City	MO		
Johnson; Wendell C.	Signal Hill	CA		

US-CL-CURRENT: 701/36

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMIC	Drawings
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Clear

Generate Collection

Print

Fwd Refs

Bkwd Refs

Generate OACS

Terms

Documents

L24 and multiple near inputs

13

Display Format: 

Change Format

[Previous Page](#)[Next Page](#)[Go to Doc#](#)

## Refine Search

### Search Results -

Terms	Documents
L24 and (multiple or plurality) near inputs	23

Database:

US Pre-Grant Publication Full-Text Database  
 US Patents Full-Text Database  
 US OCR Full-Text Database  
 EPO Abstracts Database  
 JPO Abstracts Database  
 Derwent World Patents Index  
 IBM Technical Disclosure Bulletins

Search:

L29

Refine Search

Recall Text Clear Interrupt 

### Search History

DATE: Thursday, February 17, 2005   [Printable Copy](#)   [Create Case](#)

#### Set Name Query

side by side

#### Hit Count Set Name

result set

*DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=NO; OP=OR*

<u>L29</u>	L24 and (multiple or plurality) near inputs	23	<u>L29</u>
<u>L28</u>	L24 and multiple near inputs	13	<u>L28</u>
<u>L27</u>	L23 and (multiple or plurality) and inputs	1	<u>L27</u>
<u>L26</u>	L25 and (multiple or plurality) and inputs	4	<u>L26</u>
<u>L25</u>	706/21.ccls. and support near vector near machine\$2	6	<u>L25</u>
<u>L24</u>	support near vector near machine	451	<u>L24</u>
<u>L23</u>	L22 and predetermined and time near scale\$2	1	<u>L23</u>
<u>L22</u>	L21 and device	1	<u>L22</u>
<u>L21</u>	L19 and time near merge	1	<u>L21</u>
<u>L20</u>	L14 and time near merge	4	<u>L20</u>
<u>L19</u>	L18 and input near buffer	2	<u>L19</u>
<u>L18</u>	706/16.ccls. and preprocess\$4	54	<u>L18</u>
<u>L17</u>	L13 and input near buffer	2	<u>L17</u>
<u>L16</u>	L12 and input near buffer	3	<u>L16</u>

<u>L15</u>	L11 and input near buffer	4	<u>L15</u>
<u>L14</u>	L10 and input near buffer	4	<u>L14</u>
<u>L13</u>	706/21.ccls. and pre-processing	27	<u>L13</u>
<u>L12</u>	706/21.ccls. and pre-process	10	<u>L12</u>
<u>L11</u>	706/21.ccls. and preprocessing	27	<u>L11</u>
<u>L10</u>	706/21.ccls. and preprocess	16	<u>L10</u>
<u>L9</u>	L2 and preprocess	5	<u>L9</u>
<u>L8</u>	L2 and preprocess\$5	6	<u>L8</u>
<u>L7</u>	L2 and pre adj process\$5	4	<u>L7</u>
<u>L6</u>	L4 and pre adj process\$5	4	<u>L6</u>
<u>L5</u>	L4 and preprocess\$5	4	<u>L5</u>
<u>L4</u>	(6,427,141 6,128,608 6,157,921 6,161,130).pn.	6	<u>L4</u>
<u>L3</u>	L2 and support near vector near machine	0	<u>L3</u>
<u>L2</u>	(5,842,189 5,729,661 5,479,573).pn.	6	<u>L2</u>
<u>L1</u>	09/995,739	1	<u>L1</u>

END OF SEARCH HISTORY

## Hit List

Clear

Generate Collection

Print

Fwd Refs

Bkwd Refs

Generate OACS

Search Results - Record(s) 1 through 23 of 23 returned.

☐ 1. Document ID: US 20040215382 A1

Using default format because multiple data bases are involved.

L29: Entry 1 of 23

File: PGPB

Oct 28, 2004

PGPUB-DOCUMENT-NUMBER: 20040215382

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040215382 A1

TITLE: Telematics system

PUBLICATION-DATE: October 28, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Breed, David S.	Boonton Township	NJ	US	
DuVall, Wilbur E.	Kimberling City	MO	US	
Johnson, Wendell C.	Kanehoe	HI	US	

US-CL-CURRENT: 701/45

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	K00C	Draw D
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☐ 2. Document ID: US 20040193789 A1

L29: Entry 2 of 23

File: PGPB

Sep 30, 2004

PGPUB-DOCUMENT-NUMBER: 20040193789

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040193789 A1

TITLE: Associative memory device and method based on wave propagation

PUBLICATION-DATE: September 30, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Rudolf, Paul	San Antonio	TX	US	

US-CL-CURRENT: 711/108; 365/49

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	K00C	Draw D
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☐ 3. Document ID: US 20040130442 A1

L29: Entry 3 of 23

File: PGPB

Jul 8, 2004

PGPUB-DOCUMENT-NUMBER: 20040130442

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040130442 A1

TITLE: Wireless and powerless sensor and interrogator

PUBLICATION-DATE: July 8, 2004

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Breed, David S.	Boonton Township	NJ	US	
DuVall, Wilbur E.	Kimberling	MO	US	
Johnson, Wendell C.	Signal Hill	CA	US	
Kolomeyko, Anatoliy V.	Kyiv		UA	
Shostak, Oleksandr T.	Kyiv		UA	

US-CL-CURRENT: 340/443; 340/449

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw D
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☐ 4. Document ID: US 20040039509 A1

L29: Entry 4 of 23

File: PGPB

Feb 26, 2004

PGPUB-DOCUMENT-NUMBER: 20040039509

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040039509 A1

TITLE: Method and apparatus for controlling a vehicular component

PUBLICATION-DATE: February 26, 2004

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Breed, David S.	Boonton Township	NJ	US	

US-CL-CURRENT: 701/45

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw D
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☐ 5. Document ID: US 20040003042 A1

L29: Entry 5 of 23

File: PGPB

Jan 1, 2004

PGPUB-DOCUMENT-NUMBER: 20040003042

PGPUB-FILING-TYPE: new  
DOCUMENT-IDENTIFIER: US 20040003042 A1

TITLE: Methods and architecture for cross-device activity monitoring, reasoning, and visualization for providing status and forecasts of a users' presence and availability

PUBLICATION-DATE: January 1, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Horvitz, Eric J.	Kirkland	WA	US	
Koch, Paul	Toronto	WA	CA	
Apacible, Johnson T. .	Redmond	WA	US	
Kadie, Carl M.	Bellevue		US	

US-CL-CURRENT: 709/204

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMIC	Draw D
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☐ 6. Document ID: US 20040002932 A1

L29: Entry 6 of 23

File: PGPB

Jan 1, 2004

PGPUB-DOCUMENT-NUMBER: 20040002932  
PGPUB-FILING-TYPE: new  
DOCUMENT-IDENTIFIER: US 20040002932 A1

TITLE: Multi-attribute specification of preferences about people, priorities and privacy for guiding messaging and communications

PUBLICATION-DATE: January 1, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Horvitz, Eric J.	Kirkland	WA	US	
Kadie, Carl M.	Bellevue	WA	US	

US-CL-CURRENT: 706/46; 340/7.2, 379/88.12, 709/206

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMIC	Draw D
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☐ 7. Document ID: US 20030149603 A1

L29: Entry 7 of 23

File: PGPB

Aug 7, 2003

PGPUB-DOCUMENT-NUMBER: 20030149603  
PGPUB-FILING-TYPE: new  
DOCUMENT-IDENTIFIER: US 20030149603 A1

TITLE: System and method for operating a non-linear model with missing data for use

in electronic commerce

PUBLICATION-DATE: August 7, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Ferguson, Bruce	Round Rock	TX	US	
Hartman, Eric	Austin	TX	US	

US-CL-CURRENT: 705/7; 706/22

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. De
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☐ 8. Document ID: US 20030140039 A1

L29: Entry 8 of 23

File: PGPB

Jul 24, 2003

PGPUB-DOCUMENT-NUMBER: 20030140039

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030140039 A1

TITLE: Pre-processing input data with outlier values for a support vector machine

PUBLICATION-DATE: July 24, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Ferguson, Bruce	Round Rock	TX	US	
Hartman, Eric	Austin	TX	US	

US-CL-CURRENT: 707/4

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. De
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☐ 9. Document ID: US 20030140023 A1

L29: Entry 9 of 23

File: PGPB

Jul 24, 2003

PGPUB-DOCUMENT-NUMBER: 20030140023

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030140023 A1

TITLE: System and method for pre-processing input data to a non-linear model for use in electronic commerce

PUBLICATION-DATE: July 24, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Ferguson, Bruce	Round Rock	TX	US	

Hartman, Eric                      Austin                      TX                      US

US-CL-CURRENT: 706/21; 706/15

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw D
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☐ 10. Document ID: US 20030139828 A1

L29: Entry 10 of 23

File: PGPB

Jul 24, 2003

PGPUB-DOCUMENT-NUMBER: 20030139828

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030139828 A1

TITLE: System and method for pre-processing input data to a support vector machine

PUBLICATION-DATE: July 24, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Ferguson, Bruce	Round Rock	TX	US	
Hartman, Eric	Austin	TX	US	

US-CL-CURRENT: 700/53; 700/31, 700/47, 700/52

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw D
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☐ 11. Document ID: US 20030130899 A1

L29: Entry 11 of 23

File: PGPB

Jul 10, 2003

PGPUB-DOCUMENT-NUMBER: 20030130899

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030130899 A1

TITLE: System and method for historical database training of non-linear models for use in electronic commerce

PUBLICATION-DATE: July 10, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Ferguson, Bruce	Round Rock	TX	US	
Hartman, Eric	Austin	TX	US	

US-CL-CURRENT: 705/26

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw D
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☐ 12. Document ID: US 20030078850 A1

L29: Entry 12 of 23

File: PGPB

Apr 24, 2003

PGPUB-DOCUMENT-NUMBER: 20030078850

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030078850 A1

TITLE: Electronic marketplace system and method using a support vector machine

PUBLICATION-DATE: April 24, 2003

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Hartman, Eric	Austin	TX	US	
Ferguson, Bruce	Round Rock	TX	US	
Johnson, Doug	Austin	TX	US	
Hurley, Eric	Austin	TX	US	
Petrone, Lori	Austin	TX	US	

US-CL-CURRENT: 705/26

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw D
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☐ 13. Document ID: US 20030046421 A1

L29: Entry 13 of 23

File: PGPB

Mar 6, 2003

PGPUB-DOCUMENT-NUMBER: 20030046421

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030046421 A1

TITLE: Controls and displays for acquiring preferences, inspecting behavior, and guiding the learning and decision policies of an adaptive communications prioritization and routing system

PUBLICATION-DATE: March 6, 2003

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Horvitz, Eric J.	Kirkland	WA	US	
Baribault, Gregory P.	Lynnwood	WA	US	

US-CL-CURRENT: 709/238; 709/206

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw D
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☐ 14. Document ID: US 20030046130 A1

L29: Entry 14 of 23

File: PGPB

Mar 6, 2003

PGPUB-DOCUMENT-NUMBER: 20030046130  
PGPUB-FILING-TYPE: new  
DOCUMENT-IDENTIFIER: US 20030046130 A1

TITLE: System and method for real-time enterprise optimization

PUBLICATION-DATE: March 6, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Golightly, Robert S.	Austin	TX	US	
Havener, John P.	Liberty Hill	TX	US	
Johnson, Ray D.	Georgetown	TX	US	
Keeler, James D.	Austin	TX	US	
Ferguson, Ralph B.	Round Rock	TX	US	

US-CL-CURRENT: 705/7

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw D
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☐ 15. Document ID: US 20030033587 A1

L29: Entry 15 of 23

File: PGPB

Feb 13, 2003

PGPUB-DOCUMENT-NUMBER: 20030033587  
PGPUB-FILING-TYPE: new  
DOCUMENT-IDENTIFIER: US 20030033587 A1

TITLE: System and method for on-line training of a non-linear model for use in electronic commerce

PUBLICATION-DATE: February 13, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Ferguson, Bruce	Round Rock	TX	US	
Hartman, Eric	Austin	TX	US	

US-CL-CURRENT: 717/104

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw D
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☐ 16. Document ID: US 20030033194 A1

L29: Entry 16 of 23

File: PGPB

Feb 13, 2003

PGPUB-DOCUMENT-NUMBER: 20030033194  
PGPUB-FILING-TYPE: new  
DOCUMENT-IDENTIFIER: US 20030033194 A1

TITLE: System and method for on-line training of a non-linear model for use in electronic commerce

PUBLICATION-DATE: February 13, 2003

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Ferguson, Bruce	Round Rock	TX	US	
Johnson, Doug	Austin	TX	US	
Hurley, Eric	Austin	TX	US	

US-CL-CURRENT: 705/10

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw D
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☐ 17. Document ID: US 20030009270 A1

L29: Entry 17 of 23

File: PGPB

Jan 9, 2003

PGPUB-DOCUMENT-NUMBER: 20030009270

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030009270 A1

TITLE: Telematics system for vehicle diagnostics

PUBLICATION-DATE: January 9, 2003

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Breed, David S.	Boonton Township	NJ	US	

US-CL-CURRENT: 701/29; 340/425.5, 340/438

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw D
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☐ 18. Document ID: US 20020188392 A1

L29: Entry 18 of 23

File: PGPB

Dec 12, 2002

PGPUB-DOCUMENT-NUMBER: 20020188392

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020188392 A1

TITLE: Telematics system

PUBLICATION-DATE: December 12, 2002

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Breed, David S.	Boonton Township	NJ	US	

DuVall, Wilbur E.	Kimberling City	MO	US
Johnson, Wendell C.	Signal Hill	CA	US

US-CL-CURRENT: 701/45

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KIMC	Draw D
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☐ 19. Document ID: US 20020158599 A1

L29: Entry 19 of 23

File: PGPB

Oct 31, 2002

PGPUB-DOCUMENT-NUMBER: 20020158599

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020158599 A1

TITLE: Robot device, robot device action control method, external force detecting device and external force detecting method

PUBLICATION-DATE: October 31, 2002

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Fujita, Masahiro	Saitama		JP	
Takagi, Tsuyoshi	Kanagawa		JP	
Hasegawa, Rika	Chiba		JP	
Hanagata, Osamu	Tokyo		JP	
Yokono, Jun	Kanagawa		JP	
Costa, Gabriel	Tokyo		JP	
Shimomura, Hideki	Kanagawa		JP	

US-CL-CURRENT: 318/568.11; 382/153

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KIMC	Draw D
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☐ 20. Document ID: US 6850824 B2

L29: Entry 20 of 23

File: USPT

Feb 1, 2005

US-PAT-NO: 6850824

DOCUMENT-IDENTIFIER: US 6850824 B2

TITLE: Method and apparatus for controlling a vehicular component

DATE-ISSUED: February 1, 2005

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Breed; David S.	Boonton Township, Morris County	NJ		

US-CL-CURRENT: 701/36; 701/29, 701/34

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequence	Attachments	Claims	KMC	Draw De
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☐ 21. Document ID: US 6754560 B2

L29: Entry 21 of 23

File: USPT

Jun 22, 2004

US-PAT-NO: 6754560

DOCUMENT-IDENTIFIER: US 6754560 B2

TITLE: Robot device, robot device action control method, external force detecting device and external force detecting method

DATE-ISSUED: June 22, 2004

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Fujita; Masahiro	Saitama			JP
Takagi; Tsuyoshi	Kanagawa			JP
Hasegawa; Rika	Chiba			JP
Hanagata; Osamu	Tokyo			JP
Yokono; Jun	Kanagawa			JP
Costa; Gabriel	Tokyo			JP
Shimomura; Hideki	Kanagawa			JP

US-CL-CURRENT: 700/245; 318/568.12, 345/174, 700/246, 700/253, 700/257, 700/258, 700/264, 700/31, 715/823

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequence	Attachments	Claims	KMC	Draw De
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☐ 22. Document ID: US 6738697 B2

L29: Entry 22 of 23

File: USPT

May 18, 2004

US-PAT-NO: 6738697

DOCUMENT-IDENTIFIER: US 6738697 B2

TITLE: Telematics system for vehicle diagnostics

DATE-ISSUED: May 18, 2004

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Breed; David S.	Boonton Township, Morris County	NJ		

US-CL-CURRENT: 701/29; 701/34

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequence	Attachments	Claims	KMC	Draw De
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☐ 23. Document ID: US 6735506 B2

L29: Entry 23 of 23

File: USPT

May 11, 2004

US-PAT-NO: 6735506

DOCUMENT-IDENTIFIER: US 6735506 B2

TITLE: Telematics system

DATE-ISSUED: May 11, 2004

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Breed; David S.	Morris County	NJ		
DuVall; Wilbur E.	Kimberling City	MO		
Johnson; Wendell C.	Signal Hill	CA		

US-CL-CURRENT: 701/36

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWC	Draw. De
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L24 and (multiple or plurality) near inputs

23

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 US Patents Full-Text Database  
 US OCR Full-Text Database  
 EPO Abstracts Database  
 JPO Abstracts Database  
 Derwent World Patents Index  
 IBM Technical Disclosure Bulletins

Search:

L30

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#### Set Name Query

side by side

#### Hit Count Set Name

result set

*DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=NO; OP=OR*

<u>L30</u>	L24 near "multiple inputs"	2	<u>L30</u>
<u>L29</u>	L24 and (multiple or plurality) near inputs	23	<u>L29</u>
<u>L28</u>	L24 and multiple near inputs	13	<u>L28</u>
<u>L27</u>	L23 and (multiple or plurality) and inputs	1	<u>L27</u>
<u>L26</u>	L25 and (multiple or plurality) and inputs	4	<u>L26</u>
<u>L25</u>	706/21.ccls. and support near vector near machine\$2	6	<u>L25</u>
<u>L24</u>	support near vector near machine	451	<u>L24</u>
<u>L23</u>	L22 and predetermined and time near scale\$2	1	<u>L23</u>
<u>L22</u>	L21 and device	1	<u>L22</u>
<u>L21</u>	L19 and time near merge	1	<u>L21</u>
<u>L20</u>	L14 and time near merge	4	<u>L20</u>
<u>L19</u>	L18 and input near buffer	2	<u>L19</u>
<u>L18</u>	706/16.ccls. and preprocess\$4	54	<u>L18</u>
<u>L17</u>	L13 and input near buffer	2	<u>L17</u>

<u>L16</u>	L12 and input near buffer	3	<u>L16</u>
<u>L15</u>	L11 and input near buffer	4	<u>L15</u>
<u>L14</u>	L10 and input near buffer	4	<u>L14</u>
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<u>L12</u>	706/21.ccls. and pre-process	10	<u>L12</u>
<u>L11</u>	706/21.ccls. and preprocessing	27	<u>L11</u>
<u>L10</u>	706/21.ccls. and preprocess	16	<u>L10</u>
<u>L9</u>	L2 and preprocess	5	<u>L9</u>
<u>L8</u>	L2 and preprocess\$5	6	<u>L8</u>
<u>L7</u>	L2 and pre adj process\$5	4	<u>L7</u>
<u>L6</u>	L4 and pre adj process\$5	4	<u>L6</u>
<u>L5</u>	L4 and preprocess\$5	4	<u>L5</u>
<u>L4</u>	(6,427,141 6,128,608 6,157,921 6,161,130).pn.	6	<u>L4</u>
<u>L3</u>	L2 and support near vector near machine	0	<u>L3</u>
<u>L2</u>	(5,842,189 5,729,661 5,479,573).pn.	6	<u>L2</u>
<u>L1</u>	09/995,739	1	<u>L1</u>

END OF SEARCH HISTORY



## Hit List

Clear

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Search Results - Record(s) 1 through 2 of 2 returned.

☐ 1. Document ID: US 20030140039 A1

Using default format because multiple data bases are involved.

L30: Entry 1 of 2

File: PGPB

Jul 24, 2003

PGPUB-DOCUMENT-NUMBER: 20030140039

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030140039 A1

TITLE: Pre-processing input data with outlier values for a support vector machine

PUBLICATION-DATE: July 24, 2003

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Ferguson, Bruce	Round Rock	TX	US	
Hartman, Eric	Austin	TX	US	

US-CL-CURRENT: 707/4

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw D
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☐ 2. Document ID: US 20030139828 A1

L30: Entry 2 of 2

File: PGPB

Jul 24, 2003

PGPUB-DOCUMENT-NUMBER: 20030139828

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030139828 A1

TITLE: System and method for pre-processing input data to a support vector machine

PUBLICATION-DATE: July 24, 2003

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Ferguson, Bruce	Round Rock	TX	US	
Hartman, Eric	Austin	TX	US	

US-CL-CURRENT: 700/53; 700/31, 700/47, 700/52

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw D
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Clear	Generate Collection	Print	Fwd Refs	Bkwd Refs	Generate OACS
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Terms	Documents
L24 near "multiple inputs"	2

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*(30,000 pages of engineering fundamentals and calculators)*

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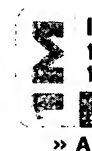


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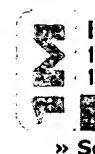
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Aerospace and Electronic Systems, IEEE Transactions on , Volume: 40 , Issue 4 , Oct. 2004

Pages:1377 - 1388

[\[Abstract\]](#)   [\[PDF Full-Text \(2413KB\)\]](#)   IEEE JNL**2 Aircraft flight parameter estimation using acoustic multipath delays***Lo, K.W.; Ferguson, B.G.; Yujin Gao; Maguer, A.;*

Aerospace and Electronic Systems, IEEE Transactions on , Volume: 39 , Issue 1 , Jan. 2003

Pages:259 - 268

[\[Abstract\]](#)   [\[PDF Full-Text \(667KB\)\]](#)   IEEE JNL**3 Aircraft flight parameter estimation using acoustical Lloyd's mirror effect***Lo, K.W.; Perry, S.W.; Ferguson, B.G.;*

Aerospace and Electronic Systems, IEEE Transactions on , Volume: 38 , Issue 1 , Jan. 2002

Pages:137 - 151

[\[Abstract\]](#)   [\[PDF Full-Text \(1721KB\)\]](#)   IEEE JNL**4 Flight path estimation using frequency measurements from a wide aperture acoustic array***Lo, K.W.; Ferguson, B.G.;*

Aerospace and Electronic Systems, IEEE Transactions on , Volume: 37 , Issue 2 , April 2001

Pages:685 - 694

[\[Abstract\]](#)   [\[PDF Full-Text \(676KB\)\]](#)   IEEE JNL**5 Broadband passive acoustic technique for target motion parameter**

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*Lo, K.W.; Ferguson, B.G.;*

Aerospace and Electronic Systems, IEEE Transactions on , Volume: 36 , Issue 1 , Jan. 2000

Pages:163 - 175

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*Ferguson, B.G.; Lo, K.W.;*

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*Ferguson, B.G.;*

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Pages:565 - 571

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**9 Optical fiber recirculating delay lines as controllable radio frequency notch filters**

*Ferguson, B.A.; Chin-Lin Chen;*

Lightwave Technology, Journal of , Volume: 11 , Issue: 10 , Oct. 1993

Pages:1539 - 1544

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*Ferguson, B.G.;*

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*Lo, K.W.; Ferguson, B.G.;*

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Pages:62 - 69

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12 **Three-dimensional terahertz holography**

*Wang, S.; Ferguson, B.; Zhong, H.; Zhang, X.-C.;*

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13 **Linearized inverse scattering for three dimensional terahertz imagi**

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14 **Powder detection using THz imaging**

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15 **Three dimensional imaging using T-ray computed tomography**

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**1 Simulation fidelity issues when using gamma-ray simulators for TRE testing CMOS SRAM***Hartman, E.F.; Browning, J.S.; Drumm, C.R.;*Nuclear Science, IEEE Transactions on , Volume: 37 , Issue: 6 , Dec. 1990  
Pages:1756 - 1761
[\[Abstract\]](#) [\[PDF Full-Text \(524KB\)\]](#)   IEEE JNL
**2 Effects of system nonlinearities on posture adjustments using functional neuromuscular stimulation***Hartman, E.C.; Triolo, R.J.; Abbas, J.J.;*[Engineering in Medicine and Biology, 1999. 21st Annual Conf. and the 1999 Annual Fall Meeting of the Biomedical Engineering Soc.] BMES/EMBS Conference 1999. Proceedings of the First Joint , Volume: 1 , 13-16 Oct. 1999  
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**3 Semi-local units for prediction***Hartman, E.; Keeler, J.D.;*Neural Networks, 1991., IJCNN-91-Seattle International Joint Conference on , Volume: ii , 8-14 July 1991  
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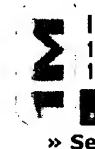
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Sanchez-Fernandez, M.; de-Prado-Cumplido, M.; Arenas-Garcia, J.; Perez-Cru  
 Signal Processing, IEEE Transactions on [see also Acoustics, Speech, and Sigr  
 Processing, IEEE Transactions on] , Volume: 52 , Issue: 8 , Aug. 2004  
 Pages:2298 - 2307

[\[Abstract\]](#)   [\[PDF Full-Text \(296 KB\)\]](#)   **IEEE JNL**
**2 Estimation of the number of sound sources using support vector machines and its application to sound source separation**

Yamamoto, K.; Asano, F.; van Rooijen, W.F.G.; Ling, E.Y.L.; Yamada, T.; Kita  
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[\[Abstract\]](#)   [\[PDF Full-Text \(330 KB\)\]](#)   **IEEE CNF**
**3 Shape deformation: SVM regression and application to medical image segmentation**

Song Wang; Weiyu Zhu; Zhi-Pei Liang;

Computer Vision, 2001. ICCV 2001. Proceedings. Eighth IEEE International  
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 Pages:209 - 216 vol.2

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**4 Research on an integrated ICA-SVM based framework for fault diagnosis**

Ming Guo; Lei Xie; Shu-Qing Wang; Jian-Ming Zhang;

Systems, Man and Cybernetics, 2003. IEEE International Conference on , Vol. 3 , 5-8 Oct. 2003

Pages:2710 - 2715 vol.3

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**5 Charge-mode parallel architecture for vector-matrix multiplication**

*Genov, R.; Cauwenberghs, G.;*

Circuits and Systems II: Analog and Digital Signal Processing, IEEE Transacti  
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*Santamaria, I.; Via, J.; Merino, J.;*

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**8 Content-based music similarity search and emotion detection**

*Tao Li; Ogiwara, M.;*

Acoustics, Speech, and Signal Processing, 2004. Proceedings. (ICASSP '04). II  
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**9 Integrated event recognition from multiple sources**

*Kawashima, H.; Matsuyama, T.;*

Pattern Recognition, 2002. Proceedings. 16th International Conference  
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**10 A Study on Several Machine-Learning Methods for Classification of Malignant and Benign Clustered Microcalcifications**

*Wei L. ; Yang\* Y. ; Nishikawa R. M. ; Jiang Y. ;*

IEEE Transactions on Medical Imaging : Accepted for future publication , Volu  
PP , Issue: 99 , 2005

Pages:1 - 10

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## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Wong, Curtis G.	Bellevue	WA	US	
Glenner, Steve	Bellevue	WA	US	
Drucker, Steven M.	Bellevue	WA	US	
Glatzer, Asta L.	Redmond	WA	US	

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## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Krieger, Juri Heinrich	Brookline	MA	US	
Yudanov, Nikolay Fedorovich	Brookline	MA	US	

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## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Ferguson, Bruce	Round Rock	TX	US	
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L33: Entry 4 of 8

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Jul 24, 2003

PGPUB-DOCUMENT-NUMBER: 20030140039

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030140039 A1

TITLE: Pre-processing input data with outlier values for a support vector machine

PUBLICATION-DATE: July 24, 2003

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Ferguson, Bruce	Round Rock	TX	US	
Hartman, Eric	Austin	TX	US	

US-CL-CURRENT: 707/4

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw D
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☐ 5. Document ID: US 20030140023 A1

L33: Entry 5 of 8

File: PGPB

Jul 24, 2003

PGPUB-DOCUMENT-NUMBER: 20030140023  
PGPUB-FILING-TYPE: new  
DOCUMENT-IDENTIFIER: US 20030140023 A1

TITLE: System and method for pre-processing input data to a non-linear model for use in electronic commerce

PUBLICATION-DATE: July 24, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Ferguson, Bruce	Round Rock	TX	US	
Hartman, Eric	Austin	TX	US	

US-CL-CURRENT: 706/21; 706/15

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. D
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☐ 6. Document ID: US 20030139828 A1

L33: Entry 6 of 8

File: PGPB

Jul 24, 2003

PGPUB-DOCUMENT-NUMBER: 20030139828  
PGPUB-FILING-TYPE: new  
DOCUMENT-IDENTIFIER: US 20030139828 A1

TITLE: System and method for pre-processing input data to a support vector machine

PUBLICATION-DATE: July 24, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Ferguson, Bruce	Round Rock	TX	US	
Hartman, Eric	Austin	TX	US	

US-CL-CURRENT: 700/53; 700/31, 700/47, 700/52

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. D
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☐ 7. Document ID: US 6134344 A

L33: Entry 7 of 8

File: USPT

Oct 17, 2000

US-PAT-NO: 6134344  
DOCUMENT-IDENTIFIER: US 6134344 A

TITLE: Method and apparatus for improving the efficiency of support vector machines

DATE-ISSUED: October 17, 2000

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Burges; Christopher John	Freehold	NJ		

US-CL-CURRENT: [382/155](#); [382/156](#), [382/225](#), [382/253](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Drawings
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☐ 8. Document ID: US 6112195 A

L33: Entry 8 of 8

File: USPT

Aug 29, 2000

US-PAT-NO: 6112195

DOCUMENT-IDENTIFIER: US 6112195 A

TITLE: Eliminating invariances by preprocessing for kernel-based methods

DATE-ISSUED: August 29, 2000

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Burges; Christopher John	Freehold	NJ		

US-CL-CURRENT: [706/20](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Drawings
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L24 and multiple and training and two near modes

8

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## Refine Search

### Search Results -

Terms	Documents
(700/52).ccls. and (preprocess or pre-process or pre-processing or preprocessing) and input near buffer and time near merge and device and predetermined and time near scale	1

Database:

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 US OCR Full-Text Database  
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 JPO Abstracts Database  
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 IBM Technical Disclosure Bulletins

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L39

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### Search History

DATE: Thursday, February 17, 2005    [Printable Copy](#)    [Create Case](#)

<u>Set</u> <u>Name</u> side by side	<u>Query</u>	<u>Hit</u> <u>Count</u>	<u>Set</u> <u>Name</u> result set
	<i>DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=NO; OP=OR</i>		
<u>L39</u>	700/52.ccls. and (preprocess or pre-process or pre-processing or preprocessing) and input near buffer and time near merge and device and predetermined and time near scale	1	<u>L39</u>
<u>L38</u>	700/47.ccls. and (preprocess or pre-process or pre-processing or preprocessing) and input near buffer and time near merge and device and predetermined and time near scale	1	<u>L38</u>
<u>L37</u>	700/31.ccls. and (preprocess or pre-process or pre-processing or preprocessing) and input near buffer and time near merge and device and predetermined and time near scale	1	<u>L37</u>
<u>L36</u>	L35 and (preprocess or pre-process or pre-processing or preprocessing) and input near buffer and time near merge and device and predetermined and time near scale	1	<u>L36</u>
<u>L35</u>	700/53.ccls.	62	<u>L35</u>

<u>L34</u>	10/051,574	1	<u>L34</u>
<u>L33</u>	L24 and multiple and training and two near modes	8	<u>L33</u>
<u>L32</u>	L24 and multiple and training	226	<u>L32</u>
<u>L31</u>	L23 and (multiple or plurality) near inputs	1	<u>L31</u>
<u>L30</u>	L24 near "multiple inputs"	2	<u>L30</u>
<u>L29</u>	L24 and (multiple or plurality) near inputs	23	<u>L29</u>
<u>L28</u>	L24 and multiple near inputs	13	<u>L28</u>
<u>L27</u>	L23 and (multiple or plurality) and inputs	1	<u>L27</u>
<u>L26</u>	L25 and (multiple or plurality) and inputs	4	<u>L26</u>
<u>L25</u>	706/21.ccls. and support near vector near machine\$2	6	<u>L25</u>
<u>L24</u>	support near vector near machine	451	<u>L24</u>
<u>L23</u>	L22 and predetermined and time near scale\$2	1	<u>L23</u>
<u>L22</u>	L21 and device	1	<u>L22</u>
<u>L21</u>	L19 and time near merge	1	<u>L21</u>
<u>L20</u>	L14 and time near merge	4	<u>L20</u>
<u>L19</u>	L18 and input near buffer	2	<u>L19</u>
<u>L18</u>	706/16.ccls. and preprocess\$4	54	<u>L18</u>
<u>L17</u>	L13 and input near buffer	2	<u>L17</u>
<u>L16</u>	L12 and input near buffer	3	<u>L16</u>
<u>L15</u>	L11 and input near buffer	4	<u>L15</u>
<u>L14</u>	L10 and input near buffer	4	<u>L14</u>
<u>L13</u>	706/21.ccls. and pre-processing	27	<u>L13</u>
<u>L12</u>	706/21.ccls. and pre-process	10	<u>L12</u>
<u>L11</u>	706/21.ccls. and preprocessing	27	<u>L11</u>
<u>L10</u>	706/21.ccls. and preprocess	16	<u>L10</u>
<u>L9</u>	L2 and preprocess	5	<u>L9</u>
<u>L8</u>	L2 and preprocess\$5	6	<u>L8</u>
<u>L7</u>	L2 and pre adj process\$5	4	<u>L7</u>
<u>L6</u>	L4 and pre adj process\$5	4	<u>L6</u>
<u>L5</u>	L4 and preprocess\$5	4	<u>L5</u>
<u>L4</u>	(6,427,141 6,128,608 6,157,921 6,161,130).pn.	6	<u>L4</u>
<u>L3</u>	L2 and support near vector near machine	0	<u>L3</u>
<u>L2</u>	(5,842,189 5,729,661 5,479,573).pn.	6	<u>L2</u>
<u>L1</u>	09/995,739	1	<u>L1</u>

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Search Results - Record(s) 1 through 1 of 1 returned.

☐ 1. Document ID: US 20030139828 A1

Using default format because multiple data bases are involved.

L36: Entry 1 of 1

File: PGPB

Jul 24, 2003

PGPUB-DOCUMENT-NUMBER: 20030139828

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030139828 A1

TITLE: System and method for pre-processing input data to a support vector machine

PUBLICATION-DATE: July 24, 2003

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Ferguson, Bruce	Round Rock	TX	US	
Hartman, Eric	Austin	TX	US	

US-CL-CURRENT: 700/53; 700/31, 700/47, 700/52

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. De
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L35 and (preprocess or pre-process or pre-processing or preprocessing) and input near buffer and time near merge and device and predetermined and time near scale

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☐ 1. Document ID: US 20030139828 A1

Using default format because multiple data bases are involved.

L37: Entry 1 of 1

File: PGPB

Jul 24, 2003

PGPUB-DOCUMENT-NUMBER: 20030139828

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030139828 A1

TITLE: System and method for pre-processing input data to a support vector machine

PUBLICATION-DATE: July 24, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Ferguson, Bruce	Round Rock	TX	US	
Hartman, Eric	Austin	TX	US	

US-CL-CURRENT: [700/53](#); [700/31](#), [700/47](#), [700/52](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMIC	Draw D
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Terms	Documents
(700/31).ccls. and (preprocess or pre-process or pre-processing or preprocessing) and input near buffer and time near merge and device and predetermined and time near scale	1

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☐ 1. Document ID: US 20030139828 A1

Using default format because multiple data bases are involved.

L38: Entry 1 of 1

File: PGPB

Jul 24, 2003

PGPUB-DOCUMENT-NUMBER: 20030139828

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030139828 A1

TITLE: System and method for pre-processing input data to a support vector machine

PUBLICATION-DATE: July 24, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Ferguson, Bruce	Round Rock	TX	US	
Hartman, Eric	Austin	TX	US	

US-CL-CURRENT: 700/53; 700/31, 700/47, 700/52

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw D
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Terms	Documents
(700/47).ccls. and (preprocess or pre-process or pre-processing or preprocessing) and input near buffer and time near merge and device and predetermined and time near scale	1

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☐ 1. Document ID: US 20030139828 A1

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L39: Entry 1 of 1

File: PGPB

Jul 24, 2003

PGPUB-DOCUMENT-NUMBER: 20030139828

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030139828 A1

TITLE: System and method for pre-processing input data to a support vector machine

PUBLICATION-DATE: July 24, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Ferguson, Bruce	Round Rock	TX	US	
Hartman, Eric	Austin	TX	US	

US-CL-CURRENT: 700/53; 700/31, 700/47, 700/52

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	RMC	Draw D
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Terms	Documents
(700/52).ccls. and (preprocess or pre-process or pre-processing or preprocessing) and input near buffer and time near merge and device and predetermined and time near scale	1

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## Refine Search

### Search Results -

Terms	Documents
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Database:

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 US OCR Full-Text Database  
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 Derwent World Patents Index  
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### Search History

DATE: Thursday, February 17, 2005    [Printable Copy](#)    [Create Case](#)

<u>Set Name</u> side by side	<u>Query</u>	<u>Hit Count</u>	<u>Set Name</u> result set
	<i>DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=NO; OP=OR</i>		
<u>L40</u>	(preprocess or pre-process or pre-processing or preprocessing) and input near buffer and time near merge and device and predetermined and time near scale	8	<u>L40</u>
<u>L39</u>	700/52.ccls. and (preprocess or pre-process or pre-processing or preprocessing) and input near buffer and time near merge and device and predetermined and time near scale	1	<u>L39</u>
<u>L38</u>	700/47.ccls. and (preprocess or pre-process or pre-processing or preprocessing) and input near buffer and time near merge and device and predetermined and time near scale	1	<u>L38</u>
<u>L37</u>	700/31.ccls. and (preprocess or pre-process or pre-processing or preprocessing) and input near buffer and time near merge and device and predetermined and time near scale	1	<u>L37</u>
<u>L36</u>	L35 and (preprocess or pre-process or pre-processing or preprocessing) and input near buffer and time near merge and device and predetermined and time	1	<u>L36</u>

	near scale		
<u>L35</u>	700/53.ccls.	62	<u>L35</u>
<u>L34</u>	10/051,574	1	<u>L34</u>
<u>L33</u>	L24 and multiple and training and two near modes	8	<u>L33</u>
<u>L32</u>	L24 and multiple and training	226	<u>L32</u>
<u>L31</u>	L23 and (multiple or plurality) near inputs	1	<u>L31</u>
<u>L30</u>	L24 near "multiple inputs"	2	<u>L30</u>
<u>L29</u>	L24 and (multiple or plurality) near inputs	23	<u>L29</u>
<u>L28</u>	L24 and multiple near inputs	13	<u>L28</u>
<u>L27</u>	L23 and (multiple or plurality) and inputs	1	<u>L27</u>
<u>L26</u>	L25 and (multiple or plurality) and inputs	4	<u>L26</u>
<u>L25</u>	706/21.ccls. and support near vector near machine\$2	6	<u>L25</u>
<u>L24</u>	support near vector near machine	451	<u>L24</u>
<u>L23</u>	L22 and predetermined and time near scale\$2	1	<u>L23</u>
<u>L22</u>	L21 and device	1	<u>L22</u>
<u>L21</u>	L19 and time near merge	1	<u>L21</u>
<u>L20</u>	L14 and time near merge	4	<u>L20</u>
<u>L19</u>	L18 and input near buffer	2	<u>L19</u>
<u>L18</u>	706/16.ccls. and preprocess\$4	54	<u>L18</u>
<u>L17</u>	L13 and input near buffer	2	<u>L17</u>
<u>L16</u>	L12 and input near buffer	3	<u>L16</u>
<u>L15</u>	L11 and input near buffer	4	<u>L15</u>
<u>L14</u>	L10 and input near buffer	4	<u>L14</u>
<u>L13</u>	706/21.ccls. and pre-processing	27	<u>L13</u>
<u>L12</u>	706/21.ccls. and pre-process	10	<u>L12</u>
<u>L11</u>	706/21.ccls. and preprocessing	27	<u>L11</u>
<u>L10</u>	706/21.ccls. and preprocess	16	<u>L10</u>
<u>L9</u>	L2 and preprocess	5	<u>L9</u>
<u>L8</u>	L2 and preprocess\$5	6	<u>L8</u>
<u>L7</u>	L2 and pre adj process\$5	4	<u>L7</u>
<u>L6</u>	L4 and pre adj process\$5	4	<u>L6</u>
<u>L5</u>	L4 and preprocess\$5	4	<u>L5</u>
<u>L4</u>	(6,427,141 6,128,608 6,157,921 6,161,130).pn.	6	<u>L4</u>
<u>L3</u>	L2 and support near vector near machine	0	<u>L3</u>
<u>L2</u>	(5,842,189 5,729,661 5,479,573).pn.	6	<u>L2</u>
<u>L1</u>	09/995,739	1	<u>L1</u>

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☐ 1. Document ID: US 20030149603 A1

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L40: Entry 1 of 8

File: PGPB

Aug 7, 2003

PGPUB-DOCUMENT-NUMBER: 20030149603

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030149603 A1

TITLE: System and method for operating a non-linear model with missing data for use in electronic commerce

PUBLICATION-DATE: August 7, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Ferguson, Bruce	Round Rock	TX	US	
Hartman, Eric	Austin	TX	US	

US-CL-CURRENT: 705/7; 706/22

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	RMC	Draw. De
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☐ 2. Document ID: US 20030140039 A1

L40: Entry 2 of 8

File: PGPB

Jul 24, 2003

PGPUB-DOCUMENT-NUMBER: 20030140039

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030140039 A1

TITLE: Pre-processing input data with outlier values for a support vector machine

PUBLICATION-DATE: July 24, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Ferguson, Bruce	Round Rock	TX	US	
Hartman, Eric	Austin	TX	US	

US-CL-CURRENT: 707/4

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw D
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☐ 3. Document ID: US 20030140023 A1

L40: Entry 3 of 8

File: PGPB

Jul 24, 2003

PGPUB-DOCUMENT-NUMBER: 20030140023

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030140023 A1

TITLE: System and method for pre-processing input data to a non-linear model for use in electronic commerce

PUBLICATION-DATE: July 24, 2003

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Ferguson, Bruce	Round Rock	TX	US	
Hartman, Eric	Austin	TX	US	

US-CL-CURRENT: 706/21; 706/15

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw D
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☐ 4. Document ID: US 20030139828 A1

L40: Entry 4 of 8

File: PGPB

Jul 24, 2003

PGPUB-DOCUMENT-NUMBER: 20030139828

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030139828 A1

TITLE: System and method for pre-processing input data to a support vector machine

PUBLICATION-DATE: July 24, 2003

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Ferguson, Bruce	Round Rock	TX	US	
Hartman, Eric	Austin	TX	US	

US-CL-CURRENT: 700/53; 700/31, 700/47, 700/52

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw D
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☐ 5. Document ID: US 6144952 A

L40: Entry 5 of 8

File: USPT

Nov 7, 2000



US-PAT-NO: 6144952  
DOCUMENT-IDENTIFIER: US 6144952 A

TITLE: Predictive network with learned preprocessing parameters

DATE-ISSUED: November 7, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Keeler; James D.	Austin	TX	78729	
Hartman; Eric J.	Austin	TX	78753	
O'Hara; Steven A.	Round Rock	TX	78681	
Kempf; Jill L.	Austin	TX	78703	
Godbole; Devendra B.	Austin	TX	78731	

US-CL-CURRENT: 706/21; 706/22, 706/23

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWC	Draw D
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☐ 6. Document ID: US 5729661 A

L40: Entry 6 of 8

File: USPT

Mar 17, 1998

US-PAT-NO: 5729661  
DOCUMENT-IDENTIFIER: US 5729661 A

TITLE: Method and apparatus for preprocessing input data to a neural network

DATE-ISSUED: March 17, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Keeler; James D.	Austin	TX		
Hartman; Eric J.	Austin	TX		
O'Hara; Steven A.	Round Rock	TX		
Kempf; Jill L.	Austin	TX		
Godbole; Devendra B.	Austin	TX		

US-CL-CURRENT: 706/16; 706/21, 706/25

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWC	Draw D
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☐ 7. Document ID: US 5479573 A

L40: Entry 7 of 8

File: USPT

Dec 26, 1995

US-PAT-NO: 5479573  
DOCUMENT-IDENTIFIER: US 5479573 A

TITLE: Predictive network with learned preprocessing parameters

DATE-ISSUED: December 26, 1995

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Keeler; James D.	Austin	TX		
Hartman; Eric J.	Austin	TX		
O'Hara; Steven A.	Round Rock	TX		
Kempf; Jill L.	Austin	TX		
Godbole; Devandra B.	Austin	TX		

US-CL-CURRENT: 706/21; 706/25

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWC	Draw. De
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☐ 8. Document ID: WO 9417482 A1, AU 9462321 A, EP 680637 A1, US 5729661 A, EP 680637 B1, DE 69427524 E

L40: Entry 8 of 8

File: DWPI

Aug 4, 1994

DERWENT-ACC-NO: 1994-264312

DERWENT-WEEK: 200333

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TITLE: Preprocessing appts. for input data to neural network - includes time merge device for reconciling input data so that it is all on same time scale

INVENTOR: GODBOLE, D B; HARTMAN, E J ; KEELER, J D ; KEMPF, J L ; O'HARA, S A ; OHARA, S A

PRIORITY-DATA: 1993US-0008170 (January 25, 1993), 1992US-0980664 (November 24, 1992)

## PATENT-FAMILY:

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INT-CL (IPC): G06 F 15/18; G06 F 15/353; G06 F 17/17

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